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(54) PRODUCTION OF GRANULAR NONIONIC
DETERGENT COMPOSITION

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject detergent composition excellent in handleability during its production and the physical properties of the solid detergent formed in its kneading/mixing process, and good dissolvability when absorbing moisture after preserved.

SOLUTION: This detergent composition is obtained by kneading a nonionic surfactant and clay mineral followed by conducting an extrusion, crushing and then granulation. In this case, a dispersion to be used together with the clay mineral in the kneading and extrusion process is prepared by the following method; the clay mineral is dispersed in the nonionic surfactant containing such an amount of water A as to be 0-0.2 in the weight ratio; water A/(nonionic surfactant + water A) followed by mixing water B together; in this case, the quantitative relationships for the nonionic surfactant, the water A, the water B and the clay mineral to

be used are as follows: (1) the weight ratio: (water A + water B)/nonionic surfactant =0.05-1; (2) (nonionic surfactant + water A + water-B)/clay mineral =1-100; and (3) the nonionic surfactant + water-A + water B accounts for 20-40wt.% of this detergent composition.

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